

CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

An ISO 9001-2015 & OHSAS 45001:2018 Certified Company, Empanelled with OCCL, ORSAC and SPCB of Govt. of Odisha Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India) MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 & NABL Accredited Laboratory

Report no.-CEMC/SCL/030723/A1

Issued Date-03.07.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Chandan Kumar Patra
Sampling Location	Near Mine Office Area
Weather Conditions	Clear
Reference No.	CEMC-03072023A1
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)
02.06.2023	47.6	18.3	8.24	18.21	<0.1
05.06.2023	43.8	16.2	11.72	17.32	<0.1
09.06.2023	45.7	16.8	13.85	17.88	<0.1
12.06.2023	46.9	17.2	10.96	17.91	<0.1
16.06.2023	48.3	19.1	11.64	18.49	<0.1
19.06.2023	47.2	17.7	6.80	17.91	<0.1
23.06.2023	44.9	15.6	7.85	17.88	<0.1
26.06.2023	46.2	16.4	10.72	17.91	<0.1
Avg	46.33	17.16	10.22	17.94	--
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


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Notes:

- The result given above related to the tested sample, as received. The customer asked for the above test only.
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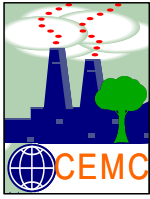
Environmental Studies (EIA & EMP), Monitoring, Forest Diversion Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS& GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

Regd. Office: Plot No.-522/3458, Near Utkal Hyundai, Opposite Apex College, Pahal, Bhubaneswar-752101, Odisha, India, ,Mobile: 9861032826

E-mail- cemc_consultancy@yahoo.co.in, cemc122@gmail.com, website: www.cemc.in.

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Report no.-CEMC/SCL/030723/A2

Issued Date-03.07.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

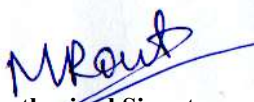
Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Chandan Kumar Patra
Sampling Location	Near Mine Main Gate
Weather Conditions	Clear
Reference No.	CEMC-03072023A2
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)
02.06.2023	64.6	35.9	12.85	17.74	0.53
05.06.2023	64.8	36.2	12.72	17.79	0.49
09.06.2023	65.4	36.5	12.91	17.85	0.53
12.06.2023	65.9	36.9	13.08	17.93	0.52
16.06.2023	66.3	37.4	13.21	18.22	0.56
19.06.2023	66.7	37.8	13.43	18.56	0.61
23.06.2023	67.2	36.4	12.91	17.74	0.53
26.06.2023	66.4	35.2	12.72	17.85	0.49
Average	65.91	36.54	12.98	17.96	0.53
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

END OF REPORT


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Notes:



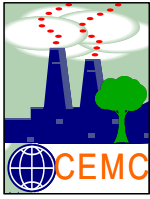
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Report no.-CEMC/SCL/030723/A3

Issued Date-03.07.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Chandan Kumar Patra
Sampling Location	Near Mine pit-1
Weather Conditions	Clear
Reference No.	CEMC-03072023A3
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

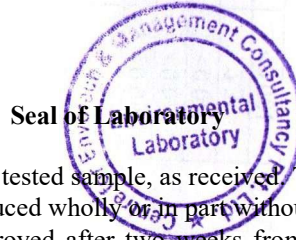
ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)
02.06.2023	54.6	25.9	6.82	12.76	<0.1
05.06.2023	54.8	26.2	7.76	11.78	<0.1
09.06.2023	55.4	26.5	10.94	16.82	<0.1
12.06.2023	55.9	26.9	11.21	19.98	<0.1
16.06.2023	56.3	27.4	8.21	18.26	<0.1
19.06.2023	56.7	27.8	9.46	18.52	<0.1
23.06.2023	57.2	26.4	10.95	16.78	<0.1
26.06.2023	56.4	25.2	11.74	17.88	<0.1
Average	55.91	26.54	9.64	16.60	--
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

***END OF REPORT**


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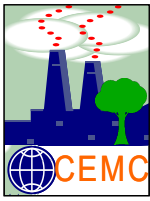
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Report no.-CEMC/SCL/030723/A4

Issued Date-03.07.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Chandan Kumar Patra
Sampling Location	Near Mine pit-2
Weather Conditions	Clear
Reference No.	CEMC-03072023A4
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

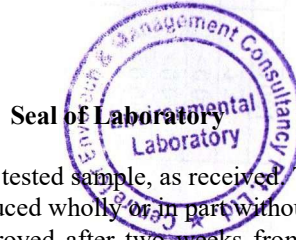
ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)
02.06.2023	62.6	30.9	10.72	15.66	<0.1
05.06.2023	60.8	32.2	12.66	17.72	<0.1
09.06.2023	61.4	32.5	13.82	18.82	<0.1
12.06.2023	63.9	33.9	11.12	16.66	<0.1
16.06.2023	64.3	34.4	10.32	15.54	<0.1
19.06.2023	60.7	32.8	11.46	16.82	<0.1
23.06.2023	57.2	30.4	12.84	17.44	<0.1
26.06.2023	56.4	29.2	9.64	14.38	<0.1
Average	60.91	32.04	11.57	16.63	--
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

N.B- *NAAQ- National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification.

***END OF REPORT**


Authorized Signatory



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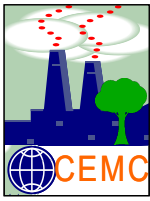
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Report no.-CEMC/SCL/030723/A5

Issued Date-03.07.2023

AMBIENT AIR QUALITY MONITORING TEST REPORT

Issued to	M/s. KKBL Mines ,Kutra,Sundargarh
Sample Description	Ambient Air Quality
Sample Drawn Period/ Time	Monthly
Sample Drawn by	Chandan Kumar Patra
Sampling Location	Khatkurbahal Village Area(Buffer Zone)
Weather Conditions	Clear
Reference No.	CEMC-03072023A5
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, Gaseous Attachment

ANALYSIS RESULT

Date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	CO (mg/m ³)
02.06.2023	54.6	30.4	10.42	15.66	<0.1
05.06.2023	64.2	33.6	9.76	14.82	<0.1
09.06.2023	55.6	30.8	11.82	16.88	<0.1
12.06.2023	61.2	32.4	10.12	15.92	<0.1
16.06.2023	62.3	32.0	9.28	14.28	<0.1
19.06.2023	60.8	31.6	8.48	13.62	<0.1
23.06.2023	64.6	33.2	9.84	14.64	<0.1
26.06.2023	65.8	34.0	10.66	15.76	<0.1
Average	54.6	30.4	10.42	15.66	--
NAAQ* Standard	100	60	80	80	4
Methods of Analysis	IS: 5182 (Part-23)	Gravimetric Method as per CPCB method	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS: 5182 (Part-10)

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***END OF REPORT**

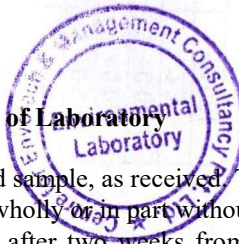
M. Patra

Authorized Signatory

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Seal of Laboratory



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